

GO POLARIS™

GEMINI 750 by ORION

DRAWWORKS: Namco 1500HP Powered by one GEB-28, 1500HP AC Traction Motor

ENGINES / GENERATOR: Three (3) Caterpillar 3512C diesel engines each rated at 1476HP / Engines Unitized with AVK 1365KW Generators

MAST: 134' working height mast with 750,000# hook load. 21,000' of setback with 5" Drill Pipe. Top Drive Transports in mast. Hydraulically raised API Spec 4F, 3rd Ed, PSL-2

SUB STRUCTURE: Gemini Conventional Substructure with 22' Floor Height, 18' Clear Height, 27'-2" floor width. Hydraulically raised rated at 500,000# rotary load. 37.5" Rotary Table. Integrated Iron Roughneck.

ROTARY: Emsco type 37-1/2" Rotary

BOP: One (1) 13-5/8" 10M Cameron Double Ram BOP
One (1) 13-5/8" 10M Cameron Single Ram BOP
One (1) 13-5/8" 5M Shaffer Type annular
One (1) Koomey 6 station accumulator, API 16E. a 10M flexible choke line and 3-1/16" 10M choke manifold

MUD PUMPS: Two (2) F-1600 triplex mud pumps with 7500psi fluid ends ;each pump is equipped with a GEB-29 AC traction motor rated at 1500HP 6" ceramic liners, 6 X 5 X 14 Charging pump, 1 X 1.5C Liner Washing Pump

MUD SYSTEM: 800 Barrels Total Active Capacity with round bottom tanks and electric agitators for optimummixing/blending and ease of clean out. Three Brandt King Cobra Shakers, Brandt DG-10 degasser are unitized on a hydraulically raised mud processing skid. A separate skid incorporates one 106 barrel trip tank with 2X3X4OHP centrifugal pump.

TOP DRIVE: GDS 500 Ton AC

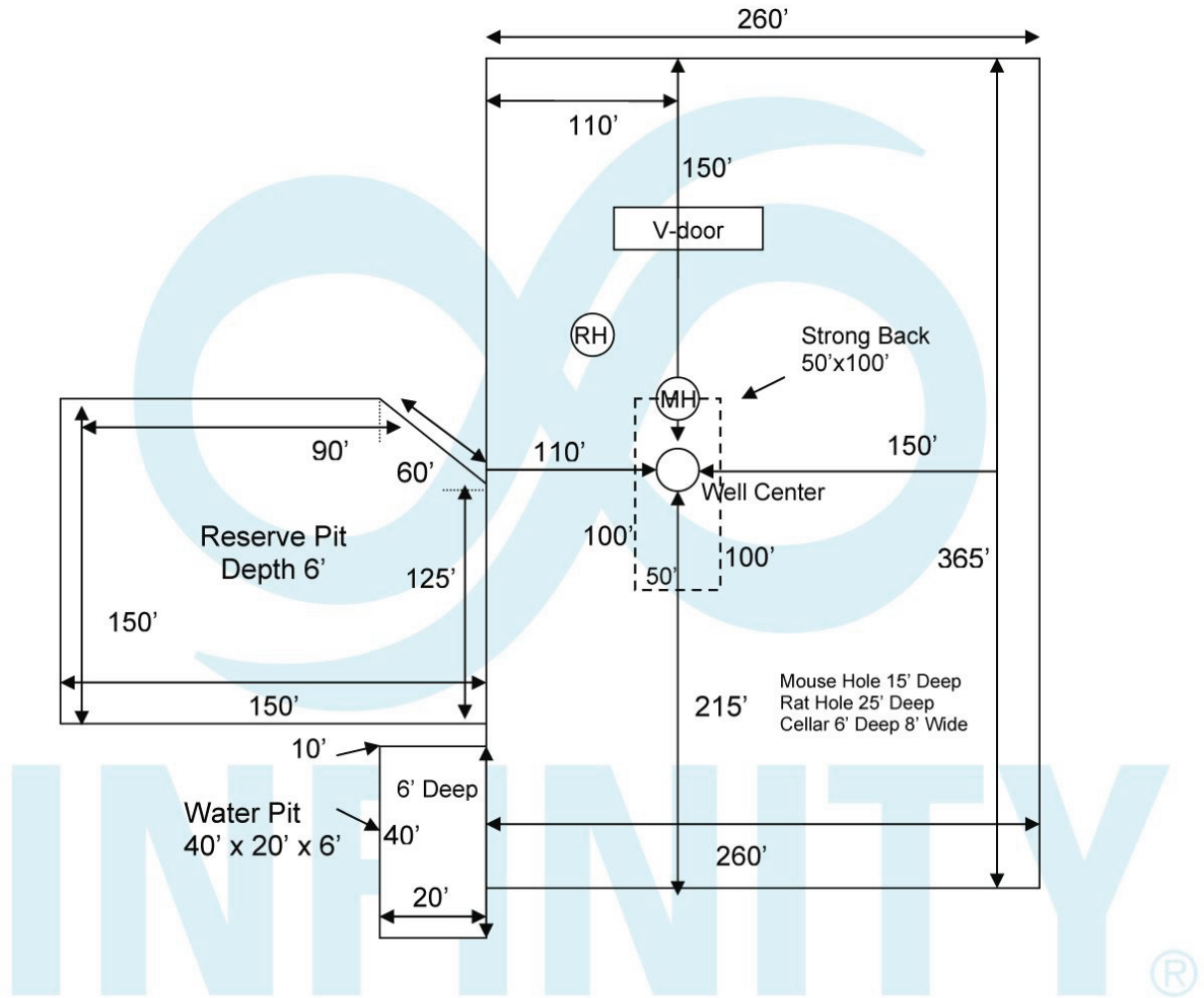
OVERHEAD STRING: One (1) 500 ton, six sheave block, with a 12 line string up of 1-1/4" line

DRILLER CONTROLS: Omron Electronic Driller and VFD House. AC drives regulate drawworks, mud pumps and top drive. AC Drive technology is integrated with PLC technology. Motor control systems actuate remaining auxiliary and peripheral loads.

DRILL PIPE: S-135 5" drill pipe of sufficient grade and weight to provide 100,000# margin over pull.

DRILL COLLARS: 3-8" drill collars

AUXILIARY EQUIPMENT: Walking System
Automatic Catwalk
Iron Roughneck
Mathey wireline unit with 25,000' of .092 wireline
Motorized drill line spool
Toolpusher and crew quarters
Meeting and Change House Combo with AC
Hot Water Power Washer
0-7 degree drift indicator



LOCATION PLAT WITH STRONG-BACK